

GRAVELY® SET UP INSTRUCTIONS

NAME: 5000 SERIES TRACTOR

PART NUMBER(S): 5000 SERIES

These instructions give the procedure for assembling the 5000 Series tractor. All reference to right side, left side, front and rear are given from the operator's position.

The wheel assemblies are not with the tractor. Get wheel assemblies as needed.

1.0 HOW TO TIGHTEN THE BOLTS

Tighten the bolts used to assemble the 5000 Series tractor to the torque given in the bolt torque specifications unless shown differently.

BOLT TORQUE SPECIFICATIONS		
BOLT SIZE	FOOT POUNDS (ft. lbs.)	NEWTON METERS (N.m)
1/4"	7	9.5
5/16"	14	19
3/8"	25	34
7/16"	40	54
1/2"	60	82
9/16"	83	113
5/8"	120	163
3/4"	200	271

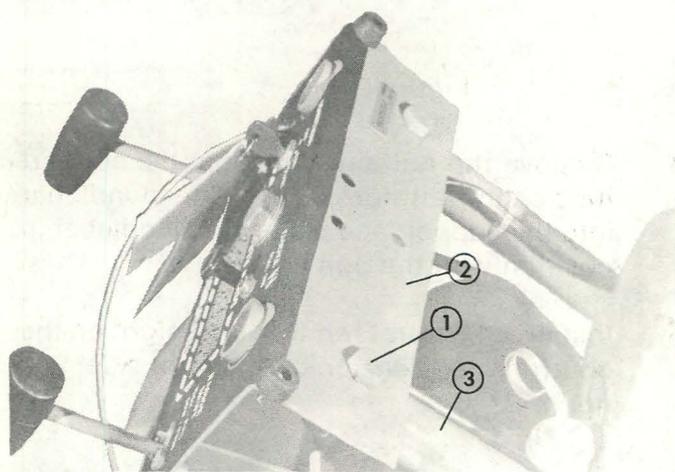
2.0 HOW TO ASSEMBLE THE TRACTOR

WARNING: Use caution when removing the straps that hold the tractor to the pallet.

NOTE: If the tractor has an electric starter, remove the battery. Give service to the battery as shown in the Battery Service instructions included with the battery.

To continue its program of quality and design improvement, the manufacturer reserves the right to change specifications, designs and prices without notice and incurring obligation.

1. Remove the nut and the bolt that fastens the instrument panel to the support tube on the right side of the tractor. See figure 2.0-1.



1 - Bolt
2 - Instrument Panel
3 - Support Tube

Figure 2.0-1

NOTE: The handlebar that has "FWD" and "REV" on the decal is the right side handlebar. The handlebar that has the "GEAR SHIFT" on the decal is the left side handlebar.

2. Put the handle bar for the right side into the support tube.
3. Fasten the handlebar in position with the

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4444 Morrison Road, Denver, CO 80219
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bolt and nut that was removed in step 1. See figure 2.0-2.

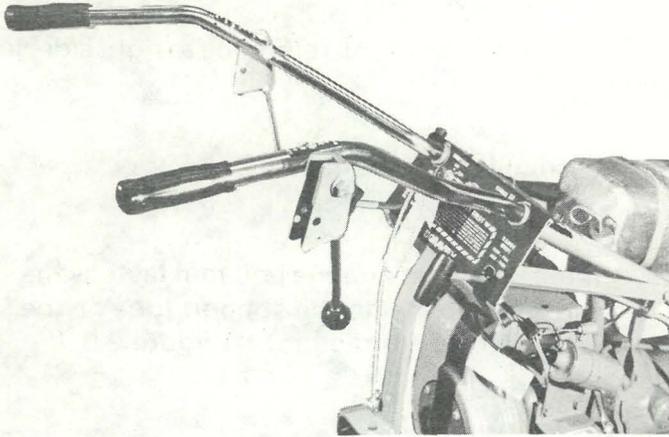
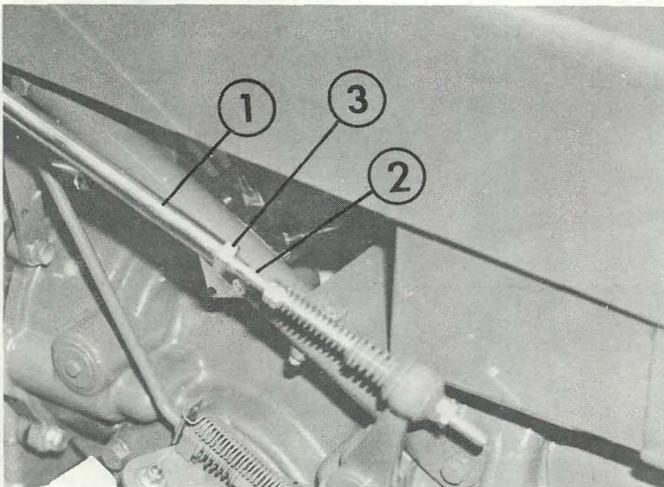


Figure 2.0-2

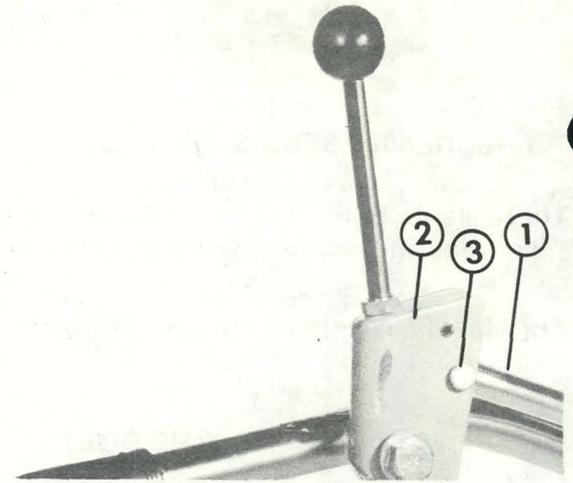
4. Remove the nut and bolt from the support tube on the left side. Put the other handlebar into the support and fasten the handlebar in position with the bolt and nut.
5. Install the control rod that is straight on the control rod extension on the right side. See figure 2.0-3.



1 - Control Rod
2 - Control Rod Extension
3 - Jam Nut

Figure 2.0-3

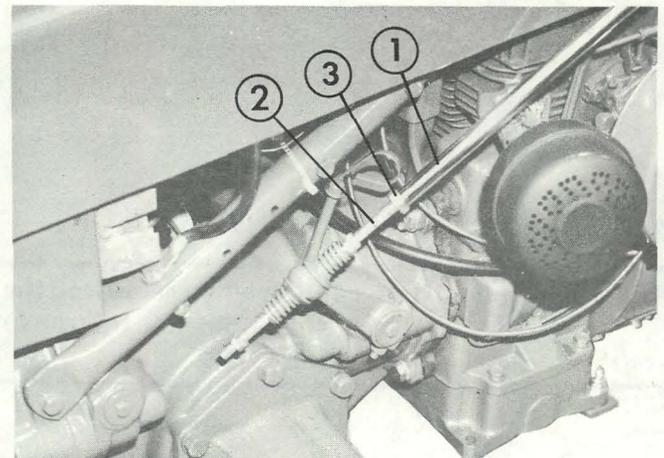
6. Connect the control rod to the control lever with the clevis pin. Fasten the clevis pin in position with the cotter pin. See figure 2.0-4.



1 - Control Rod
2 - Control Lever
3 - Clevis Pin

Figure 2.0-4

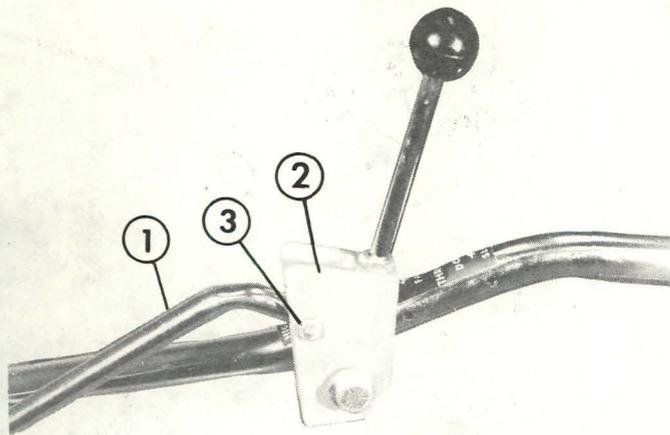
7. Tighten the jam nut on the control rod extension against the control rod.
8. Install the control rod that has the bend on the control rod extension on the left side. See figure 2.0-5.



1 - Control Rod
2 - Control Rod Extension
3 - Jam Nut

Figure 2.0-5

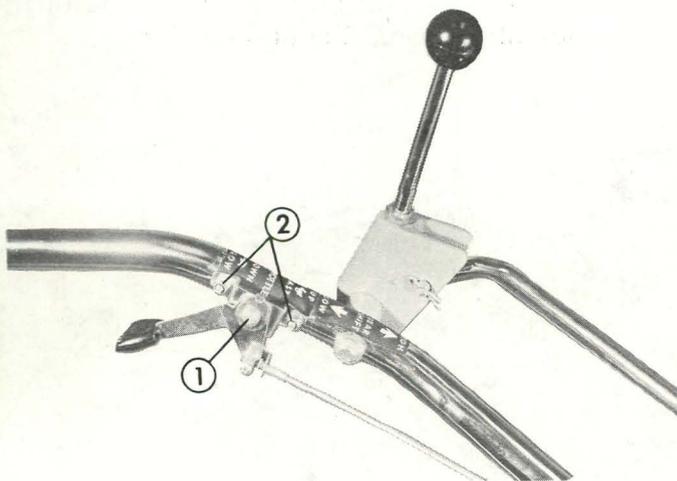
9. Connect the control rod to the control lever with the clevis pin. Fasten the clevis pin in position with the cotter pin. See figure 2.0-6.



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|--|
| 1 - Control Rod
2 - Control Lever
3 - Clevis Pin |
|--|

Figure 2.0-6

- Fasten the throttle control lever to the handlebar on the left side with the 10-24 x 1-1/2" machine screws and the 10-24 lock nuts. See figure 2.0-7.



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| 1 - Throttle Control Lever
2 - Machine Screws |
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Figure 2.0-7

- Install the wheel assemblies on the wheel hubs.
- If the tractor has an electric starter, install the battery.

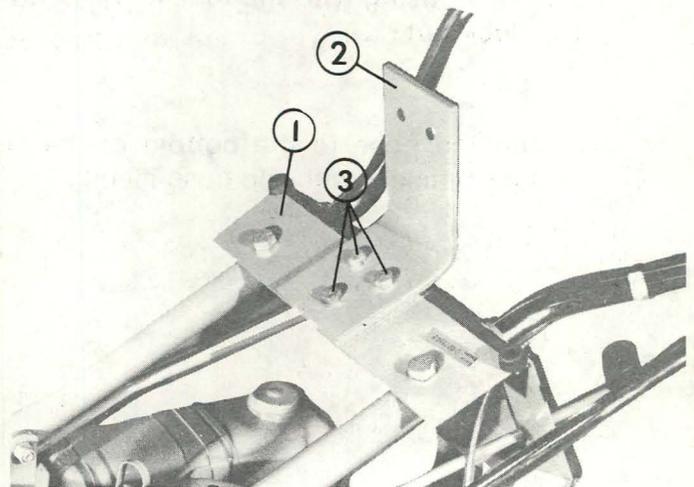
⚠ WARNING: Connect the battery cable for the positive "+" terminal first.

- Check the level of the lubricant in the engine and the transmission.
- Adjust the air pressure in the tires to 18 psi (1.3 kg/cm²).

3.0 HOW TO INSTALL THE REMOTE AIR CLEANER

NOTE: All tractors are not equipped with a remote air cleaner.

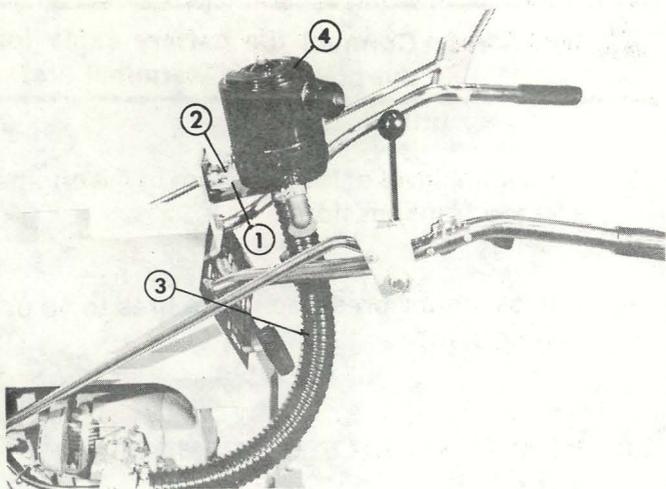
- Fasten the air cleaner bracket to the instrument panel with the three 3/8" x 1" bolts and the 3/8" lock nuts. See figure 3.0-1.



- | |
|--|
| 1 - Instrument Panel
2 - Air Cleaner Bracket
3 - Bolts |
|--|

Figure 3.0-1

- Fasten the air cleaner housing bracket and the air cleaner support to the air cleaner bracket with the 3/8" x 1-1/8" bolts and the 3/8" lock nuts. See figure 3.0-2.



- 1 - Air Cleaner Housing Bracket
- 2 - Air Cleaner Support
- 3 - Hose
- 4 - Air Cleaner Housing

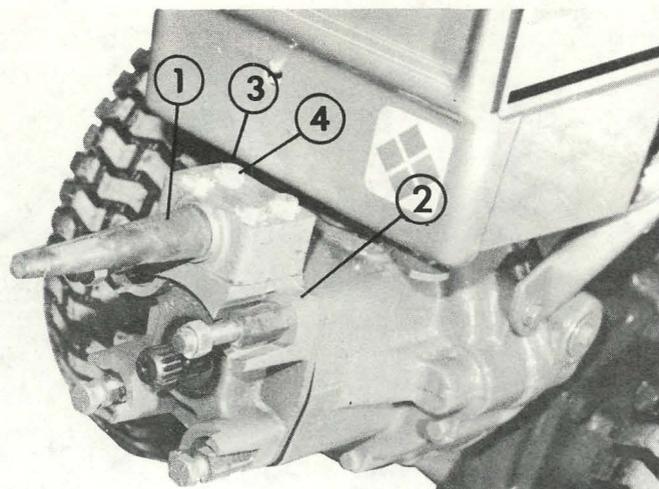
Figure 3.0-2

3. Fasten the air cleaner support to the air cleaner housing with the four washers and 1/4" lock nut.
4. Fasten the hose to the bottom of the air cleaner housing with the hose clamp.

4.0 HOW TO INSTALL THE QUICK HITCH PIN

NOTE: All tractors are not equipped with a quick hitch pin.

Fasten the quick hitch pin to the attachment adapter with the four 3/8" x 2-1/4" bolts and the lock washers. See figure 4.0-1.

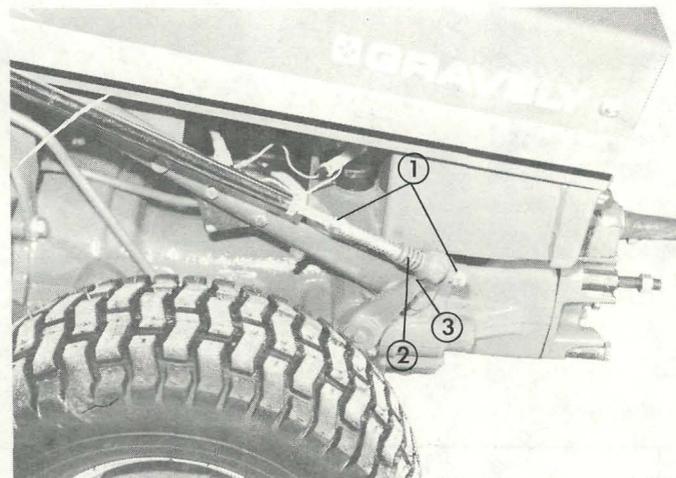


- 1 - Quick Hitch Pin
- 2 - Attachment Adapter
- 3 - Bolts
- 4 - Lock Washers

Figure 4.0-1

5.0 HOW TO ADJUST THE DIRECTION CONTROL CLUTCH

1. Loosen the jam nuts on each side of the actuating lever. See figure 5.0-1.



- 1 - Jam Nuts
- 2 - Large Spring
- 3 - Actuating Lever

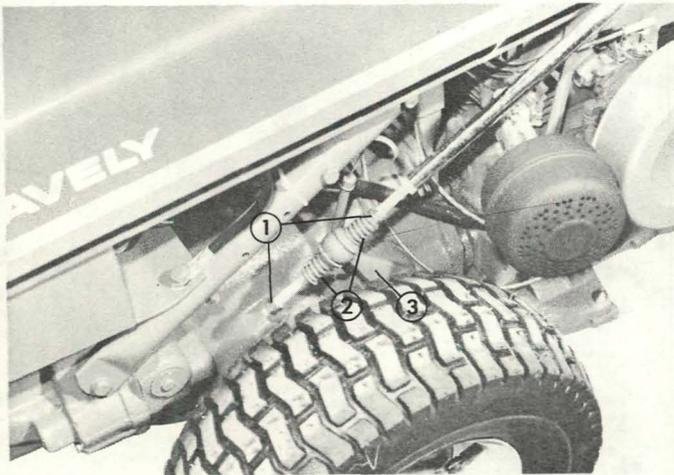
Figure 5.0-1

2. Use your hand to push the actuating lever all the way toward the rear.

3. Adjust the inside jam nut on the front side of the lever so that the direction control lever will be 15 degrees beyond the vertical position, towards the rear of the tractor.
4. Tighten the outside jam nut against the inside jam nut. Do not move the inside jam nut.
5. To adjust the forward clutch, push the direction control lever all the way forward. Make sure the direction control lever goes into a holding position.
6. Adjust the inside jam nut until there is a clearance of .010" (.254 mm) between the coils of the large spring.
7. Tighten the outside jam nut against the inside jam nut. Do not move the inside jam nut.

6.0 HOW TO ADJUST THE GEAR SHIFT CLUTCH

1. Loosen the jam nuts on each side of the actuating lever. See figure 6.0-1.



<p>1 - Jam Nuts 2 - Springs 3 - Actuating Lever</p>

Figure 6.0-1

2. Push the gear shift lever forward to the "HIGH" position.
3. Adjust the inside jam nut behind the

actuating lever until there is a clearance of .010" (.254 mm) between the coils of the spring.

4. Tighten the outside jam nut against the inside jam nut. Do not move the inside jam nut.
5. Pull the gear shift lever backward to the "LOW" position.
6. Adjust the inside jam nut in front of the actuating lever until there is a clearance of .010" (.254 mm) between the coils of the spring.
7. Tighten the outside jam nut against the inside jam nut. Do not move the inside jam nut.

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4444 Morrison Road Denver, CO 80219
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Colorado Toll Free 1 - 800 - 792-3900
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